# DEPARTMENT OF CONSUMER & INDUSTRY SERVICES **DIRECTOR'S OFFICE** CONSTRUCTION SAFETY STANDARDS

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(By authority conferred on the director of the department of consumer and industry services by sections 19 and 21 of 1974 PA 154 and Executive Reorganization Order No. 1996-2, MCL 408.1019, 408.1021, and 445.2001)

R 408.42201, R 408.42211, R 408.42213, R 408.42221, R 408.42223, R 408.42224, R 408.42229, R 408.42230, R 408.42233, R 408.42234, R 408.42235, R 408.42236, R 408.42237, R 408.42238, R 408.42241, R 408.42243 of the Michigan Administrative Code are amended, R 408.42222 of the Michigan Administrative Code is rescinded, and R 408.42225 is added to the Code as follows:

Bureau of Safety and Regulation, Standards Division Web-Site: www.cis.state.mi.us/bsr/divisions/std

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#### R 408.42201 Scope.

Rule 2201. This part pertains to the design, placement, relocation, covering, removal, use, and maintenance of signals, traffic control devices, accident prevention signs, tags, and barricades for construction operations.

R 408.42208 Applicability. Rule 2208. The following parts contain additional rules for signaling:

- (a) Part 10 Lifting and Digging.(b) Part 27 Blasting and Use of Explosives.
- (c) Part 30 Telecommunications.

#### R 408.42211 Definitions; A to C.

Rule 2211. (1) "Accident prevention sign" means a sign used to warn of a hazard or to provide safety instructions or directions.

- (2) "Accident prevention tag" means a tag which is used to warn of an existing or immediate hazard and which is temporarily attached to a part of equipment or a structure.
- (3) "Barricade" means a readily visible obstruction used to direct the passage of employees or vehicles.
- (4) "Barrier" means a device that is designed to prevent penetration from a way of travel to areas behind the barrier to minimize injury to employees who perform construction operations.

(5) "Caution sign or tag" means a sign or tag used to warn of a potential hazard or to warn against an unsafe practice.

#### R 408.42212 Definitions; D.

Rule 2212. (1) "Danger sign or tag" means a sign or tag used to warn of a potential hazard or to warn against an unsafe practice.

- (2) "Directional sign" means a sign having an arrow to point out a direction.
- (3) "Do not operate tag" means a tag to warn of a potential hazard if the equipment is operated.
- (4) "Do not start tag" means a tag used to tag out a starting mechanism which would cause a hazard if started.

#### R 408.42213 Definitions; E to T.

Rule 2213. (1) "Exit sign" means a sign used to designate a point of discharge from a room or building.

- (2) "Handhold" means an affixed device or designated place where a person riding on a moving vehicle or on equipment to perform work can stabilize his or her position by gripping with his or her free hand or hands.
- (3) "Out of order tag" means a tag used to indicate a machine is malfunctioning.
- (4) "Safety instruction sign" means a sign used for general instruction or suggestion relative to safety.

- (5) "Sign" means a board, sheet, poster, or placard displayed to convey information or direction either temporarily or permanently.
- (6) "Signal" means a specific use of hands or a visual or audible device, such as a flashing light or horn, to warn of a possible or existing hazard.
- (7) "Tag" means a piece of material, usually paper, metal, or plastic, attached to a piece of equipment or structure for the purpose of identification, instruction, or classification.
- (8) "Traffic control devices" means all signs, signals, markings, and devices placed or erected for the purpose of regulating, warning, and guiding vehicular traffic and for providing employee protection in a work zone.
- (9) "Traffic regulator" means a person who has been trained, properly attired, and equipped to regulate traffic flow to provide employee protection in a work zone.

#### R 408.42221 Duties of employer.

Rule 2221. (1) An employer shall provide, install, and maintain signals, signs, barricades, and tags, as prescribed by this part, where an employee might be, or would likely be, injured if not alerted to the hazard.

- (2) An employer shall provide training appropriate to the work assignment for each employee engaged in activities covered by this part. The following are examples of the training that may be required:
  - (a) Recognition of hazards, such as, but not limited to, possible masonry wall collapse areas, crane swing areas, floor opening covers, or traffic control hazards.
  - (b) Traffic regulator training.
  - (c) Proper placement and removal of signs, signals, tags, and barricades.
  - (d) Training in how to perform work in proximity to traffic to minimize vulnerability.

#### R 408.42222 Rescinded.

#### R 408.42223 Traffic control.

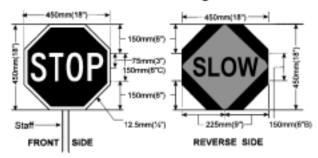
Rule 2223. (1) Traffic control devices shall be installed and maintained as prescribed in Part 6, as revised January 2001, of the 1994 edition of the Michigan Manual of Uniform Traffic Control Devices, (MMUTCD) which is adopted in these rules by reference. Part 6 is available for review at the Michigan Department of Consumer and Industry Services, Standards Division, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909, or is available at no cost from any of the Michigan Department of Transportation (MDOT) Regional Offices, MDOT Service Centers, or MDOT central offices in Lansing, Michigan.

- (2) An employer shall ensure that all operations have routine inspections of traffic control elements for acceptable levels of operation. When traffic exposures are such that signs, signals, or barricades do not provide the necessary protection on, or adjacent to, a highway or street, traffic regulators or other appropriate traffic controls shall be provided. Modification of traffic controls, such as additional signs or devices, or a change in work operations, shall be determined by a qualified person who is responsible for the project traffic control.
- (3) Signaling directions by traffic regulators shall conform to the provisions of Part 6, as revised January 2001, of the 1994 edition of the Michigan Manual of Uniform Traffic Control Devices, which is adopted in these rules by reference.
- (4) A hand-held paddle sign shall have 2 faces and it shall be attached to a staff of suitable design that will allow the entire unit to be held and controlled by 1 traffic regulator. The bottom of the sign shall be a minimum of 6 feet (1.8 meters) above the roadway

surface. The sign shall be fastened to the staff so that no part of the legend is obscured. The portion of the staff within the sign face shall match the sign colors. The sign shall not be less than 18 by 18 inches (450 millimeters x 450 millimeters) and the letters shall have a minimum height of 6 inches (150 millimeters). All letters and spacing between letters shall be as prescribed in Part 6, as revised January 2001, of the 1994 edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD) which is adopted in these rules by reference. The legend shall be optically centered horizontally on the sign. One side of the sign shall display a 'STOP' face and the other side shall display the message 'SLOW' except that if it is necessary for 1 traffic regulator to stop 2 directions of traffic at the same time, then a 'STOP' face shall be used on each side of the sign. The 'STOP' face shall have a red background with white letters and border. The 'SLOW' face shall have an orange background with black letters and border. The shape of the sign shall be octagonal and the portions of the sign other than the diamond-shaped 'SLOW' face shall be black. When the sign paddle is used during hours of darkness, the red and white of the 'STOP' face and the orange of the 'SLOW' face shall be reflectorized. Sheet metal or other light semi-rigid material may be used for mounting the 'STOP' and 'SLOW' faces.

- (5) If signaling by a traffic regulator is necessary on construction operations that are not within a public right-of-way, then a hand-held paddle sign as specified in subrule (4) of this rule shall be used.
  - (6) The paddle sign shall be as follows:

### Detail of Paddle sign



\*NOTE: The dimensions shown for the sign are minimum. Proportionately larger paddle signs may be used.

- (7) In periods of darkness, appropriate lighting shall be used to illuminate the traffic regulator and the traffic regulator station. The lighting shall be as is required in Part 6 of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD) which is adopted by reference in this rule. Appropriate lighting means lighting that illuminates the traffic regulator so that he or she is visible to oncoming traffic and does not impair either the traffic regulator's or motorists' visibility due to blinding or shadowing.
- (8) An employer shall provide, and a traffic regulator shall wear, a vest, a shirt, or a jacket that is fluorescent orange, yellow, strong yellow green, or a combination of these colors and shall contain retro reflective material that is orange, yellow, white, silver, or strong yellow green. A traffic regulator's vest, shirt, or jacket shall be clearly visible at 360 degrees through the full range of body motion day and night.
- (9) An employer shall require that the garment is inspected before each use for all of the following:

- (a) Wear.
- (b) Damage.
- (c) Fading.
- (d) Reflectivity.
- (e) Other deterioration.

Defective garments shall be reported to the employer and the employer shall either repair or replace the

(10) A traffic regulator shall also wear head, eye, and foot protection as prescribed in Construction Safety Standard Part 6 'Personal Protective Equipment' R 408.40601 et seq. of the Michigan Administrative Code. A copy of these rules are available at no cost from the Michigan Department of Consumer and Industry Services, Standards Division, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909, web-site: WWW.CIS.STATE.MI.US/BSR/DIVISIONS/STD.

(11) If vehicular traffic violates traffic laws and creates a hazard to employees performing construction operations, then an employer shall notify the appropriate law enforcement agencies of the unit of government exercising authority over the roadway for the enforcement of applicable speed limits and other traffic laws.

#### R 408.42224 Barricades for construction operations on other than public right-of-way.

Rule 2224. (1) A barricade that has a high point of not less than 36 inches (900 millimeters) shall be provided to direct vehicular traffic to protect an employee performing construction operations.

- (2) A barricade shall be provided to obstruct or direct an employee from a hazardous area of a construction operation not otherwise affected by another standard.
- (3) If an employee is working during a period of darkness, then a barricade shall be made visible by ambient illumination or by attached lighting.

#### R 408.42225 Placement, removal, relocation, and use of traffic control devices from a moving vehicle; handholds.

Rule 2225. Construction and maintenance operations from a moving vehicle.

- (1) Construction and maintenance operations that require placement, relocation, or removal of pavement markings, or traffic control devices such as drums, barricades, cones, or signs, shall provide protection to an employee by any of the following methods:
  - (a) Use of a seat and a seatbelt.
  - (b) A standard guardrail system as prescribed in Construction Safety Standard Part 45 'Fall Protection,' R 408.44501 which adopts C.F.R. §1926.502 et seq. by reference. A copy of these rules are available at no cost from the Michigan Department of Consumer and Industry Services, Standards Division, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909, web-site: WWW.CIS.STATE.MI.US/BSR/DIVISIONS/STD.
  - (c) A guardrail as described in subdivision (b) of this subrule may be modified as follows for the following operations as specified in paragraphs (i) and (ii) of this subdivision. These rules apply only to the placement, removal, relocation, and use of traffic control devices from a moving vehicle, and do not apply to the transportation of an employee or employees outside of the construction influence area (CIA) or from point to point within the CIA. Transportation of an employee or employees outside of the construction influence area (CIA) or from point to point within the CIA shall be as required in C.F.R. §1926.601(b)(8) and (b)(9), which is adopted by reference in

Construction Safety Standard Part 13 'Mobile Equipment,' R 408.41301 et seq. of the Michigan Administrative Code. A copy of these rules are available at no cost from the Michigan Department of Consumer and Industry Services, Standards Division, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909, web-site: WWW.CIS.STATE.MI.US/ BSR/DIVISIONS/STD.

For continuous moving operations, the top rail of a guardrail may be removed at the point of operation when a handhold is provided and is used and only during continuous moving operations for the placement, removal, or relocation of traffic control devices, such as cones, tubular

devices, or pavement markings.

For intermittent stopping operations, a section of guardrail may be removed at the point of operation when a handhold is provided and is used when intermittent stopping of the vehicle is required for the placement, removal, or relocation of traffic control devices, such as drums, signs, or pavement markings. The handhold shall be used by employees at all times when the vehicle is in motion and it shall be located so that the employee is positioned a minimum of 48 inches (1.2 meters) in distance from the area from the railing that has been removed.

(d) Use of other means that will provide equivalent fall protection for an employee may be used. Such a system shall be performance oriented and shall be designed so that it does not create a

greater hazard to the employee.

(2) A handhold shall be oriented and a size to promote gripping by wrapping fingers around not less than 270 degrees (3 sides) of the device or place designated. The handhold shall be capable of withstanding not less than 200 pounds of force in any direction and be free from rough edges, slippery surfaces, or hazardous projections. The handhold shall be in place and identified as such before employees are permitted to perform their assigned tasks while riding on moving vehicles.

#### R 408.42229 Signs generally.

Rule 2229. (1) A sign and its fastening device shall be free of sharp edges, burrs, splinters, or other sharp projections that could create a hazard.

(2) If conditions warrant the use of a sign size that is not specified in tables 2 to 5, then the ratio of the height of the identifying panel, such as 'DANGER' or 'CAUTION', to the width of the sign shall be maintained as prescribed in the tables.

(3) Signs shall be removed or covered when the hazard addressed by the sign no longer exists

#### R 408.42230 Letter style and size.

Rule 2230. (1) A letter shall be block style and upper case for the top panel and upper or upper and lower case for the bottom panel. Letters and numbers shall be legible.

(2) Letter size shall be determined by the length of the message and the maximum visibility and readability. Table 2 shall be used as a guide for the minimum letter height at a safe viewing distance.

(a) The spacing of letters and words shall not reduce

legibility.

(b) The height of a letter that is more than 5 inches (125 millimeters) high shall be increased by an additional 1 inch (25 millimeters) for each 35 feet (10.5 meters) of viewing distance.

#### (3) Table 2 reads as follows:

TABLE 2

Minimum H	leight of Letters	Viewing Distance			
(Inches)	(Millimeters)	(Feet)	(Meters)		
5	125	201-250	60.3-75		
4 1/2	113	151-200	45.3-60		
4	100	121-150	36.6-45		
3 1/2	88	106-120	31.8-36		
3	75	91-105	27.3-31.5		
2 1/2	63	76-90	22.8-27		
2	50	61-75	18.3-22.5		
1 1/2	38	41-60	12.3-18		
1	25	31-40	9.3-12		
3/4	19	21-30	6.3-9		
1/2	13	10-20	3-6		
1/4	6	Less than 10	3		

#### R 408.42231 Accident prevention signs.

Rule 2231. An accident prevention sign shall be in compliance with all of the following provisions:

(a) Be placed to alert and inform in time to avoid a hazard or to take appropriate action.

- (b) Be placed and maintained so as to be legible, without distraction, and so that the sign does not create a hazard in itself.
- (c) Be placed so that the sign will not be obscured.
- (d) Be removed or covered when the hazard is removed.

#### R 408.42233 Danger sign.

Rule 2233. (1) A danger sign to alert employees shall be used where an immediate hazard exists. The sign shall be removed when the hazard no longer exists.

- (2) The proportions for a danger sign shall be not less than those prescribed in Table 3 and the format of figure 1 shall be followed.
- (3) A danger sign shall have the signal word 'DANGER' in white within a red oval outlined in white on a black rectangular background in the upper panel. The lower panel where additional wording may be used shall be black or red letters on a white background as shown in figure 1.
- (4) An employee shall be instructed that a danger sign indicates immediate danger and that special precautions are necessary.

TABLE 3
STANDARD PROPORTIONS FOR DANGER SIGNS

Sig	n Size	Black Red Pai		Red C	Oval	Word 'DANGER'		Minimum Space For Sign Wo	
				HORIZON	ITAL PATTE	ERN			
Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
7 x 10	175 x 250	3 1/4 x 9 3/8	81 x 234	2 7/8 x 8 1/2	72 x 213	1 7/16	36	2 3/4 x 9 3/8	69 x 234
10 x 14	250 x 350	4 5/8 x 13 3/8	116 x 334	4 1/8 x 1 7/8	103 x 297	2 1/16	52	4 1/4 x 13 3/8	106 x 334
14 x 20	350 x 500	6 1/2 x 19 3/8	163 x 484	5 3/4 x 17	144 x 425	2 7/8	72	6 1/4 x 19 3/8	156 x 484
20 x 28	500 x 700	9 1/4 x 27 3/8	231 x 684	8 1/4 x 23 7/8	206 x 597	4 1/8	103	9 1/2 x 27 3/8	238 x 584
				UPRIGI	HT PATTER	N			
10 x 7	250 x 175	2 3/8 x 6 3/8	59 x 159	2 1/8 x 5 7/8	53 x 147	1 1/16	27	6 3/8 x 6 3/8	159 x 159
14 x 10	350 x 250	3 1/4 x 9 3/8	81 x 234	2 7/8 x 8 1/2	72 x 213	1 7/16	36	9 1/2 x 9 3/8	238 x 234
20 x 14	500 x 350	4 5/8 x 13 3/8	116 x 334	4 1/8 x 11 7/8	103 x 297	2 1/16	52	14 x 13 3/8	350 x 334
28 x 20	700 x 500	6 1/2 x 19 3/8	163 x 484	5 3/4 x 17	144 x 425	2 7/8	72	20 1/4 x 19 3/8	506 x 584.

### R 408.42234 Caution sign.

Rule 2234. (1) A caution sign shall be used to warn of a potential hazard or to caution against an unsafe practice.

(2) the proportions for a caution sign shall be not less than those prescribed in Table 4 and the format of Figure 2 shall be followed.

- (3) A caution sign shall have the signal word 'CAUTION' in yellow on a black background in the upper panel. The lower panel where additional wording may be used shall be black letters on a yellow background.
- (4) An employee shall be instructed that a caution sign indicates a possible hazard and that proper precautions shall be taken.

FIGURE 1 DANGER SIGN







TABLE 4 STANDARD PROPORTIONS FOR CAUTION SIGNS

Si	ign Size	Black Rect Pane		Word <b>'CAUTION'</b> Height of Letter		Minimum Space Availal For Sign Wording Below	
			HORIZONTAL	PATTERN			
Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters
7 x 10	175 x 250	2 1/4 x 9 3/8	56 x 234	1 5/8	41	3 1/4 x 9 3/8	81 x 234
10 x 14	250 x 350	3 1/4 x 13 3/8	81 x 334	2 1/4	56	5 1/2 x 13 3/8	138 x 334
14 x 20	350 x 500	3 3/4 x 19 3/8	94 x 484	2 3/4	69	9 x 19 3/8	225 x 484
20 x 28	500 x 700	4 1/4 x 27 3/8	106 x 684	4 1/4	106	14 1/2 x 27 3/8	363 x 684
			UPRIGHT P	ATTERN			
10 x 7	250 x 175	1 5/8 x 6 3/8	41 x 159	1 1/8	28	7 x 6 3/8	175 x 159
14 x 10	350 x 250	2 1/4 x 9 3/8	56 x 234	1 5/8	41	10 1/2 x 6 3/8	263 x 159
20 x 14	500 x 350	3 1/4 x 13 3/8	81 x 334	2 1/4	56	15 1/2 x 13 3/8	388 x 334
28 x 20	700 x 500	3 3/4 x 19 3/8	94 x 484	2 3/4	69	24 x 19 3/8	600 x 484

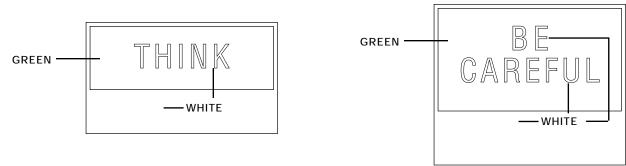
R 408.42235 Safety instruction sign. Rule 2235. (1) A safety instruction sign shall be used for a general instruction or suggestion relative to safety measures.

(2) The proportions for a safety instruction sign shall be not less than those prescribed in table 5 and the format of figure 3 shall be followed.

(3) A safety instruction sign shall have the signal word in white on a green background in the upper panel. The lower panel where additional wording may be used shall be black letters on a white background.

FIGURE 3

#### SAFETY INSTRUCTION SIGNS



(Note: the words "Think" and "Be Careful", given here, are only illustrations. Other wordings may be used.)

TABLE 5 STANDARD PROPORTIONS FOR SAFETY INSTRUCTION SIGNS

	Sign Size			reen Rectangular Word ' <b>THINK</b> ' Panel Height of Letter				Minimum Space Available For Sign Wording Below Par		
Inches	s Millim	eters	Inches	Millimeters	Ir	nches	Millimeters	Inches	Millimeters	
7 x 1 10 x 1 14 x 2 20 x 2	14 250 x 20 350 x	350 500	2 3/4 x 9 3/8 3 1/4 x 13 3/8 3 3/4 x 19 3/8 4 1/4 x 27 3/8	81 x 334 94 x 484	2 2	3/8 1/4 3/4 1/4	34 56 69 81	3 1/2 x 9 3/8 5 1/2 x 13 3/8 9 x 19 3/8 14 1/2 x 27 3/8	88 x 234 138 x 334 225 x 484 363 x 684	
Sig	n Size	Gre	en Panel	Word ' <b>E</b> Height of L			'CAREFUL' of Letters	Minimum Spa For Sign		
Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	
7 x 10 10 x 14 14 x 20 20 x 28	175 x 250 250 x 350 350 x 500 500 x 700	3 3/8 x 9 3 4 3/4 x 13 3 6 3/4 x 19 3 9 1/2 x 27 3	3/8 119 x 334 3/8 169 x 484	1 3/4 2 1/2	42 42 63 88	1 3/16 2 3/16 3 1/8 4 3/8	28 55 78 109	2 1/2 x 9 3/8 4 x 13 3/8 6 x 19 3/8 9 1/4 x 27 3/8	63 x 234 100 x 334 150 x 484 231 x 684	

#### R 408.42236 Exit sign.

Rule 2236. An exit sign, when required, shall be lettered in legible red letters, not less than 6 inches (150 millimeters) high, on a white background, and the principal stroke of the letters shall not be less than 3/4 (19 millimeters) of an inch wide.

#### R 408.42237 Directional signs.

Rule 2237. (1) A directional arrow, other than a traffic control sign, used on a danger, caution, or safety instructional sign shall be black.

- (2) A safety-related directional sign shall have a white arrow on a black upper panel with the lower panel white and any letters in black.
- (3) A directional sign shall use proportions prescribed in Table 6.

# FIGURE 4 DIRECTIONAL SIGNS

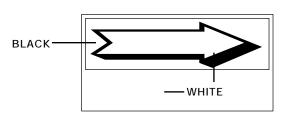


TABLE 6
STANDARD PROPORTIONS FOR SAFETY DIRECTIONAL SIGNS

		Rectangular Panel	Over-all Length			mum Space ording Below Pane		
Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	Inches	Millimeters	
6 1/2 x 14 9 x 20 12 x 28 15 x 36	163 x 350 225 x 500 300 x 700 375 x 900	3 1/4 x 13 3 4 1/2 x 19 3 6 x 27 3/8 7 1/2 x 35 3	/8 113 x 484 150 x 684	12 3/8 18 5/8 28 3/8 34 5/8	309 466 709 866	2 1/4 x 13 2 3/8 x 19 4 3/4 x 27 5 1/2 x 35	3/8 59 x 484 3/8 119 x 684	
	Arrow Head Height Width			Shaft ight		Arrow Tail Height Width		
Inches	Millime	ters	Inches	Millimeters	I	nches	Millimeters	
2 3/4 x 3 3 3/4 x 4 5 1/8 x 8 6 3/8 x 9	4 1/8 94 x 1 5 3/8 128 x 1	03 34	1 1/8 1 5/8 2 1/8 2 3/8	28 41 53 59	3	2 3/8 x 3 1/4 3 1/4 x 4 1/2 4 3/8 x 6 5 1/2 x 7 1/2	59 x 81 81 x 113 109 x 150 138 x 188	

# R 408.42238 Signs for blasting and use of explosives. Rule 2238. Where blasting and the use of explosives

Rule 2238. Where blasting and the use of explosives takes place, signs shall be as prescribed in Construction Safety Standard Part 27 'Blasting and Use Of Explosives,' R 408.42701 et seq. of the Michigan Administrative Code. A copy of these rules are available at no cost from the Michigan Department of Consumer and Industry Services, Standards Division, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909, web-site:

WWW.CIS.STATE.MI.US/BSR/DIVISIONS/STD.

#### R 408.42241 Accident prevention tags generally.

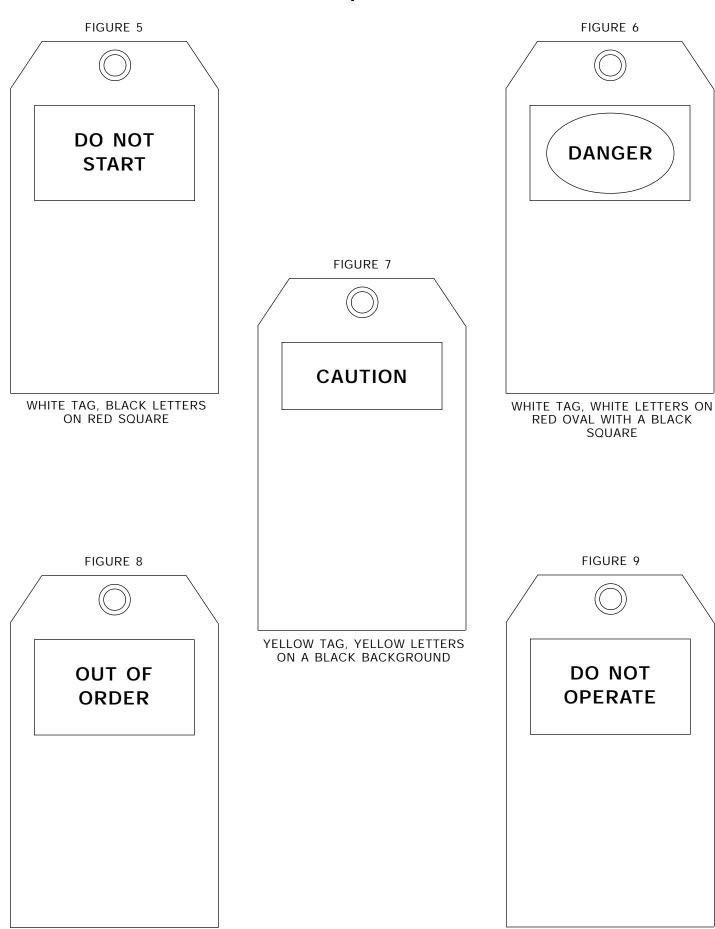
Rule 2241. (1) An appropriate accident prevention tag shall be used as a temporary means of warning an employee of an existing hazard, such as defective tools or equipment. A tag shall not be used in place of an accident prevention sign or considered a complete warning method.

- (2) A tag shall be affixed by string, wire, or adhesive.
- (3) A tag shall be large enough to attract attention to the hazard but not less than 2 3/8 (59 millimeters) by 4 3/4 (119 millimeters) inches.
  - (4) The signal word shall be in bold type.

# R 408.42242 Accident prevention tags; types; use and specifications.

Rule 2242. (1) A "Do Not Start" tag shall be attached to the starting mechanism of equipment that would cause a hazardous condition if activated. The background color shall be white with black lettering on a red square. See Figure 5.

- (2) A "Danger" tag shall be used where an immediate hazard of probability of injury exists. The background color shall be white with white letters on a red oval within a black square. See Figure 6.
- (3) A "Caution" tag shall be used to warn of a potential hazard or to caution against an unsafe practice. The background color shall be yellow with yellow letters on a black rectangle. See Figure 7.
- (4) An "Out of Order" tag shall be used only for the specific purpose if indicating equipment or machinery is out of order and its use might create a hazard. The background shall be white with white lettrs on a black square. See Figure 8.
- (5) A "Do Not Operate" tag shall be used to warn of potential hazard if use of the equipment would create a hazard. The background color shall be white with black lettering on a red square. See Figure 9.
- (6) An accident prevention tag shall be removed when the reason for use has been eliminated.



WHITE TAG, WHITE LETTERS ON BLACK BACKGROUND

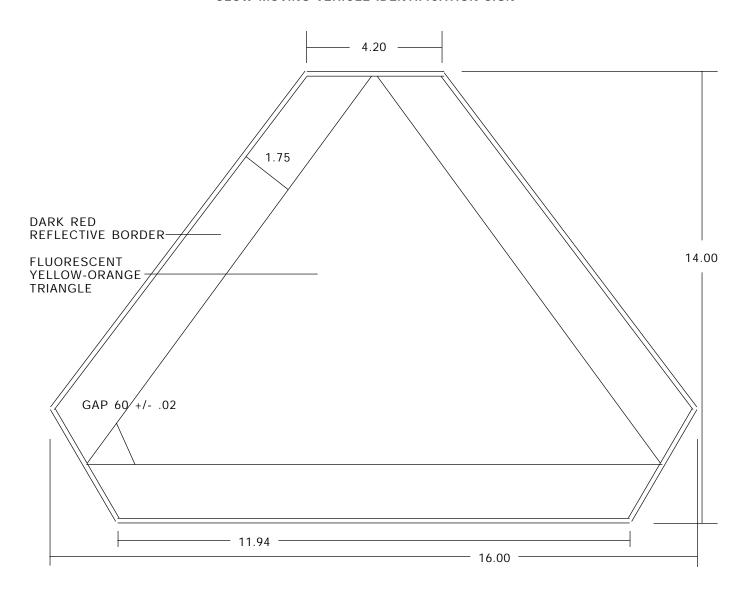
WHITE TAG, WHITE LETTERS ON RED SQUARE

R 408.42243 Signs for slow-moving vehicles. Rule 2243. (1) A sign as prescribed in this rule shall be attached to the rear of any vehicle that, by design, moves at 25 miles per hour or less on any public, private, or temporary road.

(2) The sign shall be entirely visible in daylight and at night from a distance of not less than 600 feet (180 meters).

(3) The sign shall be mounted point up and shall be placed centrally at the rear of the vehicle, unobscured, and at 3 feet (.9 meters) to 5 feet (1.5 meters) above the ground measured from the lower edge of the sign. The sign shall be securely attached to the vehicle.

#### SLOW MOVING VEHICLE IDENTIFICATION SIGN

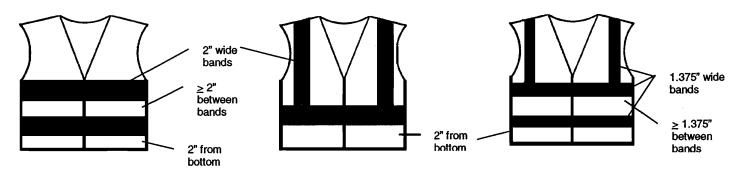


(Note: Dimensions are in decimal inches.)

### **APPENDIX**

## Retroreflective Placement for Vests (Class 1 or Class 2):

- 1. Shall provide 360° visibility (ex. encircle the torso)
- 2. Horizontal bands must be placed at least 2 inches from the bottom edge of the garment.
- 3. Multiple horizontal or vertical bands must be separated by a distance at least equal to the width of the band.
- 4. Horizontal gaps in retroreflective and background materials shall be  $\leq$  2 inches.



Examples of Class 2 Vests

## Retroreflective Placement for Jackets (Class 1, Class 2 or Class 3)

Same as vest placement (1 - 4) plus . . .

Sleeve placement (optional) - Horizontal bands:
 Lower band shall be at least 2 inches from the bottom of the sleeve.
 Upper band placed between elbow and shoulder at the same height as torso band.